Exhibit 27

3GPP TS 29.229 V8.15.0 (2013-03)

Technical Specification

3rd Generation Partnership Project;
Technical Specification Group Core Network and Terminals;
Cx and Dx interfaces based on the Diameter protocol;
Protocol details
(Release 8)

{ Auth-Session-State }
{ Origin-Host }
{ Origin-Realm }
[Destination-Host]
{ Destination-Realm }
{ User-Name }
***[Supported-Features]**
{ Public-Identity }
{ Visited-Network-Identifier }
[User-Authorization-Type]
[UAR-Flags]
*[AVP]
*[Proxy-Info]
*[Route-Record]

6.1.2 User-Authorization-Answer (UAA) Command

The User-Authorization-Answer (UAA) command, indicated by the Command-Code field set to 300 and the 'R' bit cleared in the Command Flags field, is sent by a server in response to the User-Authorization-Request command. The Experimental-Result AVP may contain one of the values defined in section 6.2.

Message Format

< User-Authorization-Answer> ::= < Diameter Header: 300, PXY, 16777216 >
< Session-Id >
{ Vendor-Specific-Application-Id }
[Result-Code]
[Experimental-Result]
{ Auth-Session-State }
{ Origin-Host }
{ Origin-Realm }
***[Supported-Features]**
[Server-Name]
[Server-Capabilities]
*[AVP]
*[Failed-AVP]
*[Proxy-Info]
*[Route-Record]

6.1.3 Server-Assignment-Request (SAR) Command

The Server-Assignment-Request (SAR) command, indicated by the Command-Code field set to 301 and the 'R' bit set in the Command Flags field, is sent by a Diameter Multimedia client to a Diameter Multimedia server in order to request it to store the name of the server that is currently serving the user.

Message Format

<Server-Assignment-Request> ::= < Diameter Header: 301, REQ, PXY, 16777216 >
< Session-Id >
{ Vendor-Specific-Application-Id }
{ Auth-Session-State }
{ Origin-Host }
{ Origin-Realm }
[Destination-Host]
{ Destination-Realm }
[User-Name]
***[Supported-Features]**
***[Public-Identity]**
[Wildcarded-Public-Identity]
{ Server-Name }
{ Server-Assignment-Type }
{ User-Data-Already-Available }

[SCSCF-Restoration-Info]
[Multiple-Registration-Indication]
[Session-Priority]
*[AVP]
*[Proxy-Info]
*[Route-Record]

6.1.4 Server-Assignment-Answer (SAA) Command

The Server-Assignment-Answer (SAA) command, indicated by the Command-Code field set to 301 and the 'R' bit cleared in the Command Flags field, is sent by a server in response to the Server-Assignment-Request command. The Experimental-Result AVP may contain one of the values defined in section 6.2. If Result-Code or Experimental-Result does not inform about an error, the User-Data AVP shall contain the information that the S-CSCF needs to give service to the user.

Message Format

<Server-Assignment-Answer> ::= < Diameter Header: 301, PXY, 16777216 >
< Session-Id >
{ Vendor-Specific-Application-Id }
[Result-Code]
[Experimental-Result]
{ Auth-Session-State }
{ Origin-Host }
{ Origin-Realm }
[User-Name]
***[Supported-Features]**
[User-Data]
[Charging-Information]
[Associated-Identities]
[Loose-Route-Indication]
***[SCSCF-Restoration-Info]**
[Associated-Registered-Identities]
[Server-Name]
[Wildcarded-Public-Identity]
*[AVP]
*[Failed-AVP]
*[Proxy-Info]
*[Route-Record]

6.1.5 Location-Info-Request (LIR) Command

The Location-Info-Request (LIR) command, indicated by the Command-Code field set to 302 and the 'R' bit set in the Command Flags field, is sent by a Diameter Multimedia client to a Diameter Multimedia server in order to request name of the server that is currently serving the user.

Message Format

<Location-Info-Request> ::= < Diameter Header: 302, REQ, PXY, 16777216 >
< Session-Id >
{ Vendor-Specific-Application-Id }
{ Auth-Session-State }
{ Origin-Host }
{ Origin-Realm }
[Destination-Host]
{ Destination-Realm }
[Originating-Request]
***[Supported-Features]**
{ Public-Identity }
[User-Authorization-Type]
[Session-Priority]
*[AVP]

Session-Priority	650	6.3.56	Enumerated	V			M	No
Identity-with-Emergency-Registration	651	6.3.57	Grouped	V			M	No
NOTE 1: The AVP header bit denoted as 'M', indicates whether support of the AVP is required. The AVP header bit denoted as 'V', indicates whether the optional Vendor-ID field is present in the AVP header. For further details, see IETF RFC 3588 [6]. NOTE 2: Depending on the concrete command. NOTE 3: The value of these attributes is defined in IETF RFC 4590 [20]								

6.3.1 Visited-Network-Identifier AVP

The Visited-Network-Identifier AVP is of type OctetString. This AVP contains an identifier that helps the home network to identify the visited network (e.g. the visited network domain name).

6.3.2 Public-Identity AVP

The Public-Identity AVP is of type UTF8String. This AVP contains the public identity of a user in the IMS. The syntax of this AVP corresponds either to a SIP URL (with the format defined in IETF RFC 3261 [3] and IETF RFC 2396 [4]) or a TEL URL (with the format defined in IETF RFC 3966 [8]). Both SIP URL and TEL URL shall be in canonical form, as described in 3GPP TS 23.003 [13].

6.3.3 Server-Name AVP

The Server-Name AVP is of type UTF8String. This AVP contains a SIP-URL (as defined in IETF RFC 3261 [3] and IETF RFC 2396 [4]), used to identify a SIP server (e.g. S-CSCF name).

6.3.4 Server-Capabilities AVP

The Server-Capabilities AVP is of type Grouped. This AVP contains information to assist the I-CSCF in the selection of an S-CSCF.

AVP format

Server-Capabilities ::= <AVP header: 603 10415>

*[Mandatory-Capability]

*[Optional-Capability]

*[Server-Name]

*[AVP]

6.3.5 Mandatory-Capability AVP

The Mandatory-Capability AVP is of type Unsigned32. Each value included in this AVP can be used to represent a single determined mandatory capability or a set of capabilities of an S-CSCF, as described in 3GPP TS 29.228 [1] (section 6.7).

6.3.6 Optional-Capability AVP

The Optional-Capability AVP is of type Unsigned32. Each value included in this AVP can be used to represent a single determined optional capability or a set of capabilities of an S-CSCF, as described in 3GPP TS 29.228 [1] (section 6.7).

6.3.7 User-Data AVP

The User-Data AVP is of type OctetString. This AVP contains the user data required to give service to a user. The exact content and format of this AVP is described in 3GPP TS 29.228 [1].